Exhibit A

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4.6.1.5 User Interface

The ACT Manager's user interface (UI) will consist of HTML information pages that will be viewed through the ACT's Web browser. [...] consist of at least two frames, one of which [...] preferences to [...] will contain the [...]

We will use JavaScript functions to enhance the behavior of the forms in the UI. JavaScript will allow us to write event handling functions to perform routine data validation on the form prior to submitting it to a CGI (Common Gateway Interface) program running on the server—a performance and usability enhancement.

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Specific online help will be provided for each form; a separate help window will open when the user requests help by pushing the help button on the form.

4.6.1.5 ACT Utilities Interface

The ACT Utilities component is new for the ACT. The ACT Manager will send messages to ACT terminals as part of the preference update process. The ACT Utilities [illegible] listed in etc/services on the AS/400. A socket will be used to communicate with ACT [illegible]. Changes for a particular user or terminal preference may be made [illegible] terminal. The ACT Manager needs to locate the terminal where the new preference should be applied. The ACT Manager will use the following methods to locate the target ACT terminal.

- The ACT Manager needs to lookup the terminal [illegible] terminal boots [illegible] ACT terminals. The load_type field in the bootp table [illegible].
- The ACT Manager needs to lookup the terminal [illegible] the ACT Manager [illegible] Logon program will [illegible] Manager will read this file and attempt to contact the [illegible] and remove entries to these files as users logon and logoff. [illegible] not a file – TBD).

A messaging interface needs to be defined between the ACT Manager and ACT Utilities. Shown below is the current list of messages sent to ACT Utilities.
Tell ACT Utilities to reboot the terminal. ACT Utilities will [illegible] displays the reboot message and then reboots the terminal.

Field Name	Field Value
Command ID	[illegible]
Certified Password	[illegible]
Reboot Type	[illegible]
Reboot Timing	int num_sec /* [illegible] */ /* [illegible] */ /* [illegible] */
Reboot Message	String message_text

Tell ACT Utilities that a user preference file has changed for a particular application. The ACT Utilities uses the target UserID to verify the user is still logged on. The ACT Utilities uses the client app name to locate the X Server files to reload. The ACT Utilities will reload the X Server files in the normal [illegible] (i.e. control, then system, then user).

Field Name	Field Value
Command ID	USER_PREF_AVAILABLE
Certified Password	[illegible]
Target User ID	[illegible]
Client_App	String client_app_name
Application Timing	int num_sec /* 0 apply changes now */ /* >0 apply after delay */

[redacted]

[redacted]

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/* -1 apply at next logoff */

Tell ACT Utilities to display a Pop-up informational message sent by an administrator:

Field Name	Field Value
Command ID	DISPLAY MESSAGE
Config'd Password	
Target User ID	
Message	String message text

Query ACT Utilities for the current logged on UserID and password. This is used by the ACT Manager CGI to learn which user is talking to it from the browser.

Field Name	
Command ID	
Config'd Password	

Reply from ACT Utilities containing current UserID

Field Name	
Command ID	
UserID	
Password	

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